| DECLARATION AND POWER OF ATTO   | ORNEY FOR PATENT APPLICATION   | DOCKET: HSJ920030181US1   |
|---|--|---|
| As a below named inventor, I  | hereby declare that:   |   |
| My residence, post office add   | dress and citizenship are as s   | stated below next to my name;   |
| original, first and joint inv   | ventor (if plural names are li<br>nt is sought on the invention                                    | only one name is listed below) or an sted below) of the subject matter which is entitled: METHOD OF DETECTING POLARITY  |
| the specification of which (c   | check one)   |   |
| X is attached hereto. was filed on as Application Serial No. and was amended on                 |  | able).  |
|   | eviewed and understand the con<br>nded by any amendment referred                                   | tents of the above identified specification to above.   |
| I acknowledge the duty to dis<br>37, Code of Federal Regulation                                 |  | terial to patentability as defined in Titl  |
| Section 365(b) of any foreign<br>of any PCT International appl<br>States, listed below and have | n application(s) for patent or<br>lication which designated at l<br>e also identified below any fo | United States Code, Section 119(a)-(d) or inventor's certificate, or Section 365(a) east one country other than the United oreign application for patent or inventor's eng date before that of the application on |
| Prior Foreign Application(s)  |  | Priority Claimed  |
| (Number)  | (Country) (Day/Mo  | YesNo   |
| I hereby claim the benefit ur   | nder Title 35, United States C   | Code, Section 120 of any United States  |

My

application(s) or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56, which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

None (Application Serial No.) (Filing Date) (Status) (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Ron F ece (#46,327) Douglas R. Millett (#31,784) Patrick Duncan (41,721) Robert B. Martin (#26,945) Lewis L. Nunnelley (42,942) Thomas R. Berthold (#28,689) S nd corr spondence to: Lewis L. Nunnelley Hitachi Global Storage Technologies Intellectual Property Law 5600 Cottle Road (NHGB/0142) San Jose CA 95193 Direct T lephone Calls to: (name and telephone number) Lewis L. Nunnelley, (408) 256-6570 Full nam of sole or first joint-inventor: Shanlin Duan 7/3//03 Inventor's signature: Date: Residence: 48540 Spokane Road, Fremont, California 94539 Citizenship: U.S. Post Office Address: Same Full name of second joint-inventor: Yan Liu 7/31/03 Date: Inventor's signature: Residence: 10355 Cherrytree lane, Cupertino, California 95014 Citizenship: U.S.

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Date: 1/3//03

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